



AIR QUALITY DEPARTMENT
1001 North Central Ave., Suite 125
Phoenix, Arizona 85004-1942
(602) 506-6010
(602) 506-6985 (FAX)

TITLE V AIR QUALITY OPERATING PERMIT

Permit Number: V95010
Revision Number 2.0.0.0

Original Issue Date: 01/03/2000
Renewal Date: xx/xx/xxxx
Expiration Date: xx/xx/xxxx

Permittee Name: Salt River Project
Mailing Address: PO BOX 52025 MAIL STN PAB352 Phoenix, AZ 85072
Business Name: SRP Agua Fria Generating Station
Facility Address: 7302 W Northern Ave Glendale, AZ 85303

Equipment and Processes Covered: Power Generating station with emissions of CO and NOx above the Title V threshold.

This Permit is issued in accordance with Maricopa County Air Pollution Control Regulations, Rule 200, §301, and Arizona Revised Statutes, §49-404c and §49-480. The attached Permit Conditions are incorporated into and form an integral part of this Permit. The Permit is issued to provide regulators, site operators or owners, and members of the public, a clear picture of what the Permit holder is required to do to meet applicable requirements. As the Permit holder, you are expected to review this Permit, become familiar with its provisions and conditions and to operate in conformance with them. This Permit is an enforceable document. Failure to conform to the emission limits and any other condition contained in the Permit is a violation of law and will form the basis of enforcement action by the department which may include civil or criminal sanctions.

If the MCAQD Control Officer determines that additional monitoring, sampling, modeling and/or control of emissions from the facility may reasonably be needed to provide for the continued protection of public health, safety and/or welfare, the MCAQD Control Officer will amend the provisions of this Permit. This Permit may be subject to suspension or revocation for cause including nonpayment of fees, noncompliance with Arizona State Statutes, Maricopa County Air Quality Regulations, or the attached Permit Conditions, or if the MCAQD Control Officer determines that significant misrepresentation exists in the application and supporting documentation filed to obtain or modify this Permit.

Philip A. McNeely, R.G.
Maricopa County Air Quality Control Officer

TITLE V PERMIT CONDITIONS
Agua Fria Generating Station
Permit No. V95-010
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AGUA FRIA GENERATING STATION
Permit Conditions
Permit Number V95-010

In accordance with Maricopa County Air Pollution Control Rules and Regulations (Rules), Rule 210 §302.2, all Conditions of this Permit are federally enforceable unless they are identified as being locally enforceable only. However, any Permit Condition identified as locally enforceable only will become federally enforceable if, during the term of this Permit, the underlying requirement becomes a requirement of the Clean Air Act (CAA) or any of the CAA's applicable requirements.

All federally enforceable terms and conditions of this Permit are enforceable by the Administrator of the United States Environmental Protection Agency (Administrator or Administrator of the USEPA hereafter) and citizens under the CAA.

Any cited regulatory paragraphs or section numbers refer to the version of the regulation that was in effect on the first date of public notice of the applicable Permit Condition unless specified otherwise.

GENERAL CONDITIONS:

1. AIR POLLUTION PROHIBITED:

The Permittee shall not discharge from any source whatever into the atmosphere regulated air pollutants which exceed in quantity or concentration that specified and allowed in the County or SIP Rules, the Arizona Administrative Code (AAC) or the Arizona Revised Statutes (ARS), or which cause damage to property or unreasonably interfere with the comfortable enjoyment of life or property of a substantial part of a community, or obscure visibility, or which in any way degrade the quality of the ambient air below the standards established by the Maricopa County Board of Supervisors or the Director of the Arizona Department of Environmental Quality (ADEQ).

The Permittee shall not discharge from any source whatever into the atmosphere regulated air pollutants so as to create or maintain a nuisance.

[County Rule 100 §301] [SIP Rule 3]

2. CIRCUMVENTION:

[County Rule 100 §104]

The Permittee shall not build, erect, install, or use any article, machine, equipment, condition, or any contrivance, the use of which, without resulting in a reduction in the total release of regulated air pollutants to the atmosphere, conceals or dilutes an emission which would otherwise constitute a violation of this Permit or any Rule or any emission limitation or standard. The Permittee shall not circumvent the requirements concerning dilution of regulated air pollutants by using more emission openings than is considered normal practice by the industry or activity in question.

[County Rule 100 §104]

3. CERTIFICATION OF TRUTH, ACCURACY, AND COMPLETENESS:

A. **CERTIFICATION REQUIRED:** Any application form, report, or compliance certification submitted under County or Federal Rules or these Permit Conditions shall contain certification by a responsible official of truth, accuracy, and completeness of the application form or report as of the time of submittal. This certification and any other certification required under County or Federal Rules or these Permit Conditions shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

[County Rule 100 §401] [County Rule 210 §§301.7 & 305.1(e)]

4. COMPLIANCE:

A. COMPLIANCE REQUIRED:

- 1) The Permittee must comply with all conditions of this permit and with all applicable requirements of Arizona air quality statutes and the air quality rules. Compliance with permit terms and conditions does not relieve, modify, or otherwise affect the Permittee's duty to comply with all applicable requirements of Arizona air quality statutes and the Maricopa County Air Pollution Control Regulations. Any permit noncompliance is grounds for enforcement action; for a permit termination, revocation and reissuance, or revision; or for denial of a permit renewal application. Noncompliance with any federally enforceable requirement in this Permit constitutes a violation of the Act. [This Condition is federally enforceable if the condition or requirement itself is federally enforceable and only locally enforceable if the condition or requirement itself is locally enforceable only.]

[County Rule 210 §§301.8(b)(4) & 302.1(h)(1)]

- 2) The Permittee shall halt or reduce the permitted activity in order to maintain compliance with applicable requirements of Federal laws, Arizona laws, the County Rules, or other conditions of this Permit. [This Condition is federally enforceable if the condition or requirement itself is federally enforceable and only locally enforceable if the condition or requirement itself is locally enforceable only.]

[County Rule 210 §302.1(h)(2)]

- 3) For any major source operating in a nonattainment area for any pollutant(s) for which the source is classified as a major source, the source shall comply with reasonably available control technology (RACT) as defined in County Rule 100.

[County Rule 210 §302.1(h)(6)] [SIP Rule 220 §302.2]

- 4) For any major source operating in a nonattainment area designated as serious for PM₁₀, for which the source is classified as a major source for PM₁₀, the source shall comply with the best available control technology (BACT), as defined in County Rule 100 for PM₁₀.

[County Rule 210 §302.1(h)(7)]

B. COMPLIANCE CERTIFICATION REQUIREMENTS:

The Permittee shall file an annual or semiannual Compliance Certification, as specified in the Specific Conditions section of this Permit, with the Control Officer and also with the Administrator of the USEPA. The report shall certify compliance with the terms and conditions contained in this Permit, including emission limitations, standards, or work practices and shall be submitted at such times as required by the Specific Conditions of this Permit. The Compliance Certification shall be on a form supplied or approved by the Control Officer and shall include the following:

- 1) The identification of each term or condition of the permit that is the basis of the certification;
- 2) The compliance status;

- 3) Whether compliance was continuous or intermittent;
- 4) The method(s) used for determining the compliance status of the source, currently and over the reporting period; and
- 5) Other facts as the Control Officer may require to determine the compliance status of the source.

[County Rule 210 §305.1(d)]

C. COMPLIANCE PLAN:

Based on the certified information contained in the application for this Permit, the facility is in compliance with all applicable requirements in effect as of the first date of public notice of the proposed conditions for this Permit unless a Compliance Plan is included in the Specific Conditions of this Permit. The Permittee shall continue to comply with all applicable requirements and shall meet any applicable requirements that may become effective during the term of this permit on a timely basis. [This Condition is federally enforceable if the applicable requirement itself is federally enforceable and only locally enforceable if the applicable requirement itself is locally enforceable only.]

[County Rule 210 §305.1(g)]

5. CONFIDENTIALITY CLAIMS:

Any records, reports or information obtained from the Permittee under the County Rules or this Permit shall be available to the public, unless the Permittee files a claim of confidentiality in accordance with ARS §49-487(c) that:

- A. Precisely identifies the information in the permit(s), records, or reports that is considered confidential, and
- B. Provides sufficient supporting information to allow the Control Officer to evaluate whether such information satisfies the requirements related to trade secrets or, if applicable, how the information, if disclosed, could cause substantial harm to the person's competitive position. The claim of confidentiality is subject to the determination by the Control Officer as to whether the claim satisfies these requirements.

A claim of confidentiality shall not excuse the Permittee from providing any and all information required or requested by the Control Officer and shall not be a defense for failure to provide such information.

If the Permittee submits information with an application under a claim of confidentiality pursuant to ARS §49-487 and County Rule 200, the Permittee shall submit a copy of such information directly to the Administrator of the USEPA.

[County Rule 100 §402] [County Rule 200 §411] [County Rule 210 §301.5]

6. CONTINGENT REQUIREMENTS:

NOTE: This Permit Condition covers activities and processes addressed by the Clean Air Act (CAA) which may or may not be present at the facility. This condition is intended to meet the requirements of both Section 504(a) of the 1990 Amendments to the CAA, which requires that Title V permits contain conditions necessary to assure compliance with applicable requirements of the Act, as well as the Acid Rain provisions required to be in all Title V permits.

A. ACID RAIN:

- 1) Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated pursuant to Title IV of the CAA and incorporated pursuant to County Rule 371, both provisions shall be incorporated into this Permit and shall be enforceable by the Administrator.
- 2) The Permittee shall not allow emissions exceeding any allowances that the source lawfully holds pursuant to Title IV of the CAA or the regulations promulgated thereunder and incorporated pursuant to County Rule 371.
 - a) No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program and incorporated pursuant to County Rule 371, provided that such increases do not require a permit revision pursuant to any other applicable requirement.
 - b) No limit is placed on the number of allowances held by the Permittee. The Permittee may not, however, use allowances as a defense to noncompliance with any other applicable requirement.
 - c) Any such allowance shall be accounted for according to the procedures established in regulations promulgated pursuant to Title IV of the CAA.
 - d) All of the following prohibitions apply to any unit subject to the provisions of Title IV of the CAA and incorporated into this Permit pursuant to County Rule 371:
 - (1) Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners or operators of the unit or the designated representative of the owners or operators.
 - (2) Exceedances of applicable emission rates.
 - (3) The use of any allowance prior to the year for which it was allocated.
 - (4) Violation of any other provision of the permit.
[County Rule 210 §§302.1(b)(2) & 302.1(f)] [County Rule 371 §301]

B. ASBESTOS:

The Permittee shall comply with the applicable requirements of Sections 61.145 through 61.147 and §61.150 of the National Emission Standard for Asbestos and County Rule 370 for all demolition and renovation projects.

[40 CFR 61, Subpart M] [County Rule 370 §301.8]

C. RISK MANAGEMENT PLAN (RMP):

Should this stationary source, as defined in 40 CFR §68.3, be subject to the accidental release prevention regulations in Part 68, then the Permittee shall submit an RMP by the date specified in Section 68.10 and shall certify compliance with the requirements of Part 68 as part of the annual compliance certification as required by 40 CFR Part 70. However, neither the RMP nor modifications to the RMP shall be considered to be a part of this Permit.

[40 CFR 68]

D. STRATOSPHERIC OZONE PROTECTION:

If applicable, the Permittee shall follow the requirements of 40 CFR §§82.106 through 82.124 with respect to the labeling of products using ozone depleting substances.

If applicable, the Permittee shall comply with all of the following requirements with respect to recycling and emissions reductions:

- 1) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR §82.156.
- 2) Equipment used during maintenance, service, repair, or disposal of appliances must meet the standards for recycling and recovery equipment in accordance with 40 CFR §82.158.
- 3) Persons performing maintenance, service, repair, or disposal of appliances must be certified by a certified technician pursuant to 40 CFR §82.161.

If applicable, the Permittee shall follow the requirements of 40 CFR Subpart G, including all Appendices, with respect to the safe alternatives policy on the acceptability of substitutes for ozone-depleting compounds.

[40 CFR 82 Subparts E, F, and G]

7. DUTY TO SUPPLEMENT OR CORRECT APPLICATION:

If the Permittee fails to submit any relevant facts or has submitted incorrect information in a permit application, the Permittee shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information. In addition, the Permittee shall provide additional information as necessary to address any requirements that become applicable to the source after the date it filed a complete application but prior to release of a proposed permit.

[County Rule 210 §301.6] [40 CFR §70.5(b)]

8. EMERGENCY EPISODES:

If an air pollution alert, warning, or emergency has been declared, the Permittee shall comply with any applicable requirements of County Rule 600 §302.

[County Rule 600 §302] [SIP Rule 600 §302]

9. EMERGENCY PROVISIONS:

An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, that requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

[County Rule 130 §201]

10. EXCESS EMISSIONS:

NOTE: There are reporting requirements associated with excess emissions. These requirements are contained in Permit Condition 16F in a subparagraph called Excess Emissions. The definition of excess emissions can be found in County Rule 100 §200.

[County Rule 140 §§103, 400] [SIP Rule 140]

11. FEES:

The Permittee shall pay fees to the Control Officer pursuant to ARS §49-480(D) and County Rule 280.

[County Rule 200 §409] [County Rule 210 §§302.1(i) and §401] [SIP Rule 28]

12. MODELING:

Where the Control Officer requires the Permittee to perform air quality impact modeling, the Permittee shall perform the modeling in a manner consistent with the 40 CFR 51, Appendix W, "Guideline on Air Quality Models", as of July 1, 2004 (and no future amendments or additions), and is adopted by reference. Where the person can demonstrate that an air quality impact model specified in the guideline is inappropriate, the model may be modified or another model substituted if found to be acceptable to the Control Officer.

[40 CFR 51 App. W] [County Rule 200 §407] [SIP Rule 26]

13. MONITORING AND TESTING:

A. **MONITORING REQUIRED:** The Permittee shall monitor, sample, or perform other studies to quantify emissions of regulated air pollutants or levels of air pollution that may reasonably be attributable to the facility if required to do so by the Control Officer, either by Permit or by order in accordance with County Rule 200 §310.

[County Rule 200 §310] [SIP Rule 41]

B. **TESTING REQUIRED:** Except as otherwise specified in these Permit Conditions or by the Control Officer, the Permittee shall conduct required testing used to determine compliance with standards or permit conditions established pursuant to the County or SIP Rules or these Permit Conditions in accordance with County Rule 270 and the applicable testing procedures contained in the Arizona Testing Manual for Air Pollutant Emissions or other approved USEPA test methods.

[County Rule 200 §408][County Rule 210 §302.1(c)] [County Rule 270 §§300 and 400]
[SIP Rule 27]

C. **TESTING FACILITIES:** The Permittee shall provide, or cause to be provided, performance testing facilities as follows:

- 1) Sampling ports adequate for test methods applicable to such source.
- 2) Safe sampling platform(s).
- 3) Safe access to sampling platforms(s).
- 4) Utilities for sampling and testing equipment.

[County Rule 270 §405] [SIP Rule 42]

14. PERMITS:

A. BASIC:

This Permit may be revised, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a permit revision, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any Permit Condition.

[County Rule 210 §302.1(h)(3)]

B. PERMITS AND PERMIT CHANGES, AMENDMENTS AND REVISIONS:

- 1) The Permittee shall comply with the Administrative Requirements of Section 400 of County Rule 210 for all changes, amendments and revisions at the facility for any source subject to regulation under County Rule 200, shall comply with all required time frames, and shall obtain any required preapproval from the Control Officer before making changes. All applications shall be filed in the manner and form prescribed by the Control Officer. The application shall contain all the information necessary to enable the Control Officer to make the determination to grant or to deny a permit or permit revision including information listed in County Rule 200 §309 and County Rule 210 §§301.

[County Rule 200 §§301 & 309] [County Rule 210 §§301, and 400]

- 2) The Permittee shall supply a complete copy of each application for a permit, a minor permit revision, or a significant permit revision directly to the Administrator of the USEPA. The Control Officer may require the application information to be submitted in a computer-readable format compatible with the Administrator's national database management system.

[County Rule 210 §§303.1(a) & 303.2 & 405.4]

- 3) While processing an application, the Control Officer may require the applicant to provide additional information and may set a reasonable deadline for a response.

[County Rule 210 §301.4(f)]

- 4) No permit revision shall be required pursuant to any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

[County Rule 210 §302.1(j)]

C. POSTING:

- 1) The Permittee shall keep a complete permit clearly visible and accessible on the site where the equipment is installed.

[County Rule 200 §312]

- 2) Any approved Dust Control Plan or Dust Control Permit required by County Rule 310 shall be posted in a conspicuous location at the work site, within on-site equipment, or in an on-site vehicle, or shall otherwise be kept available on site at all times.

[County Rule 310 §409] [SIP Rule 310 §401]

D. PROHIBITION ON PERMIT MODIFICATION:

The Permittee shall not willfully deface, alter, forge, counterfeit, or falsify this permit.

[County Rule 200 §311]

E. RENEWAL:

- 1) The Permittee shall submit an application for the renewal of this Permit in a timely and complete manner. The Permittee shall file all permit applications in the manner and form prescribed by the Control Officer. For purposes of permit renewal, a timely application is one that is submitted at least six months, but not more than 18 months, prior to the date of permit expiration. A complete application shall contain all of the information required by the County Rules including Rule 200 §309 and Rule 210 §§301 & 302.3.

[County Rule 200 §309] [County Rule 210 §§301 and 302]

- 2) The Control Officer may require the Permittee to provide additional information and may set a reasonable deadline for a response.

[County Rule 210 §301.4(f)]

- 3) If the Permittee submits a timely and complete application for a permit renewal, but the Control Officer has failed to issue or deny the renewal permit before the end of the term of the previous permit, then the permit shall not expire until the renewal permit has been issued or denied. This protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit, by the deadline specified in writing by the Control Officer, any additional information identified as being needed to process the application.

[County Rule 200 §403.2] [County Rule 210 §§301.4(f) and 301.9]

F. REVISION / REOPENING / REVOCATION:

- 1) If the Permittee becomes subject to a standard promulgated by the Administrator under Section 112(d) of the CAA, the Permittee shall, within 12 months of the date on which the standard was promulgated, submit an application for a permit revision demonstrating how the source will comply with the standard.

[County Rule 210 §301.2(c)]

- 2) This permit shall be reopened and revised to incorporate additional applicable requirements adopted by the Administrator pursuant to the CAA that become applicable to the facility if this permit has a remaining permit term of three or more years and the facility is a major source. Such a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this Permit is due to expire unless the original permit or any of its terms have been extended pursuant to Rule 200 §403.2.

[County Rule 200 §402.1(a)(1)]

Any permit revision required pursuant to this Permit Condition, 14.G.1, shall reopen the entire permit, shall comply with provisions in County Rule 200 for permit renewal, and shall reset the five year permit term.

[County Rule 200 §402.1(a)(1)] [County Rule 210 §302.5]

- 3) This permit shall be reopened and revised under any of the following circumstances:

- a) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the Title V permit.
- b) The Control Officer or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- c) The Control Officer or the Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

Proceedings to reopen and issue a permit under this Permit Condition, 14.G.2, shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the Permit for which cause to reopen exists.

[County Rule 200 §402.1]

- 4) This permit shall be reopened by the Control Officer and any permit shield revised when it is determined that standards or conditions in the permit are based on incorrect information provided by the applicant.

[County Rule 210 §407.3]

- 5) This Permit may be revised, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Permit revision, revocation and reissuance, or termination or of a notification of planned changes or anticipated noncompliance does not stay any Permit Condition.

[County Rule 210 §302.1(h) (3)]

G. REQUIREMENTS FOR A PERMIT:

- 1) No source may operate after the time that it is required to submit a timely and complete application except as noted in Sections 403 and 405 of County Rule 210. Permit expiration terminates the Permittee's right to operate. However, if a source submits a timely and complete application, as defined in County Rule 210 §301.4, for permit issuance or renewal, the source's failure to have a permit is not a violation of the County Rules until the Control Officer takes final action on the application. The Source's ability to operate without a permit as set forth in this paragraph shall be in effect from the date the application is determined to be complete until the final permit is issued. This protection shall cease to apply if, subsequent to the completeness determination, the applicant fails to submit, by the deadline specified in writing by the Control Officer, any additional information identified as being needed to process the application.

[County Rule 210 §301.9]

- 2) If the Permittee engages in or allows any routine dust generating activities at the facility, the Permittee shall apply to have the routine dust generating activity covered as part of this Permit. Nonroutine activities, such as construction and revegetation, require a separate Dust Control Permit that must be obtained from the Control Officer before the activity may begin.

- a) The Permittee shall not commence any routine dust-generating operation that disturbs a surface area of 0.10 acre or greater without first submitting a Dust Control Plan to the Control Officer.

[County Rule 310 §§302.3 & 402.1] [SIP Rule 310 §303.1]

- b) The Permittee shall request a Dust Control Plan revision with a submittal in the manner and form prescribed by the Control Officer if:

- (1) The acreage of a project changes;
- (2) The permit holder changes;
- (3) The name(s), address(es), or phone numbers of person(s) responsible for the submittal and implementation of the Dust Control Plan and responsible for the dust-generating operation change; and
- (4) If the activities related to the purposes for which the Dust Control permit was obtained change.

[County Rule 310 §403.2]

- c) A subcontractor who is engaged in dust-generating operations at a site that is subject to a Dust Control Permit shall register with the Control Officer and follow those registration requirements in County Rule 200.

[County Rule 200 §306] [SIP Rule 310 §302]

- 3) Burn Permit: The Permittee shall obtain a Permit To Burn from the Control Officer before conducting any open outdoor fire except for the activities listed in County Rule 314 §§302.1, 302.2, and 303.

[County Rule 314] [County Rule 200 §307] [SIP Rule 314]

H. RIGHTS AND PRIVILEGES:

This Permit does not convey any property rights nor exclusive privilege of any sort.

[County Rule 210 §302.1(h)(4)]

I. SEVERABILITY:

The provisions of this Permit are severable, and, if any provision of this Permit is held invalid, the remainder of this Permit shall not be affected thereby.

[County Rule 210 §302.1(g)] [SIP Rule 80]

J. SCOPE:

The issuance of any permit or permit revision shall not relieve the Permittee from compliance with any Federal laws, Arizona laws, or the County or SIP Rules, nor does any other law, regulation or permit relieve the Permittee from obtaining a permit or permit revision required under the County Rules.

[County Rule 200 §309]

Nothing in this permit shall alter or affect the following:

- 1) The provisions of Section 303 of the Act, including the authority of the Administrator pursuant to that section.

- 2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance.
- 3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act.
- 4) The ability of the Administrator of the USEPA or of the Control Officer to obtain information from the Permittee pursuant to Section 114 of the Act, or any provision of State law.
- 5) The authority of the Control Officer to require compliance with new applicable requirements adopted after the permit is issued.

[County Rule 210 §407.2]

K. TERM OF PERMIT:

This Permit shall remain in effect for no more than 5 years from the date of issuance.

[County Rule 210 §§302.1(a) & 402]

L. TRANSFER:

Except as provided in ARS §49-429 and County Rule 200, this permit may be transferred to another person if the Permittee gives notice to the Control Officer in writing at least 30 days before the proposed transfer and complies with the permit transfer requirements of County Rule 200 and the administrative permit amendment procedures pursuant to County Rule 210.

[County Rule 200 §404 (locally enforceable only)]

15. RECORDKEEPING:

A. RECORDS REQUIRED:

The Permittee shall maintain records of all emissions testing and monitoring, records detailing all malfunctions which may cause any applicable emission limitation to be exceeded, records detailing the implementation of approved control plans and compliance schedules, records required as a condition of any permit, records of materials used or produced and any other records relating to the emission of air contaminants which may be requested by the Control Officer.

[County Rule 100 §501] [County Rule 310 §502] [SIP Rule 40.A]

B. RETENTION OF RECORDS:

Unless a longer time frame is specified by the Rules or these Permit Conditions, the Permittee shall retain information and records required by either the Control Officer or these Permit Conditions as well as copies of summarizing reports recorded by the Permittee and submitted to the Control Officer for 5 years after the date on which the pertinent report is submitted.

[County Rule 100 §504] [SIP Rule 40.C]

C. MONITORING RECORDS:

The Permittee shall retain records of all required monitoring data and support information for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings or physical records for continuous monitoring instrumentation,

and copies of all reports required by the permit. Records of any monitoring required by this Permit shall include the following:

- 1) The date, place as defined in the permit, and time of sampling or measurements;
- 2) The date(s) analyses were performed;
- 3) The company or entity that performed the analyses;
- 4) The analytical techniques or methods used;
- 5) The results of such analyses; and
- 6) The operating conditions as existing at the time of sampling or measurement.

[County Rule 210 §§302.1(d) and 305.1(b)]

D. RIGHT OF INSPECTION OF RECORDS:

When the Control Officer has reasonable cause to believe that the Permittee has violated or is in violation of any provision of County Rule 100 or any County Rule adopted under County Rule 100, or any requirement of this permit, the Control Officer may request, in writing, that the Permittee produce all existing books, records, and other documents evidencing tests, inspections, or studies which may reasonably relate to compliance or noncompliance with County Rules adopted under County Rule 100. No person shall fail nor refuse to produce all existing documents required in such written request by the Control Officer.

[County Rule 100 §106] [SIP Rule 40.D]

16. REPORTING:

NOTE: See Permit Condition 3 in conjunction with reporting requirements.

A. ANNUAL EMISSION INVENTORY REPORT:

Upon request of the Control Officer and as directed by the Control Officer, the Permittee shall complete and shall submit to the Control Officer an annual emissions inventory report. The report is due by April 30th or 90 days after the Control Officer makes the inventory forms available, whichever occurs later. The annual emissions inventory report shall be in the format provided by the Control Officer. The Control Officer may require submittal of supplemental emissions inventory information forms for air contaminants under ARS §49-476.01, ARS §49-480.03 and County Rule 372.

[County Rule 100 §505] [SIP Rule 40]

B. DATA REPORTING:

When requested by the Control Officer, the Permittee shall furnish information to locate and classify air contaminant sources according to type, level, duration, frequency and other characteristics of emissions and such other information as may be necessary. This information shall be sufficient to evaluate the effect on air quality and compliance with the County or SIP Rules. The Permittee may be required to submit annually, or at such intervals specified by the Control Officer, reports detailing any changes in the nature of the source since the previous report and the total annual quantities of materials used or air contaminants emitted.

[County Rule 100 §502] [SIP Rule 40]

C. DEVIATION REPORTING:

The Permittee shall promptly report deviations from permit requirements, including those attributable to upset conditions. Unless specified otherwise elsewhere in these Permit Conditions, an upset for the purposes of this Permit Condition shall be defined as the operation of any process, equipment or air pollution control device outside of either its normal design criteria or operating conditions specified in this Permit and which results in an exceedance of any applicable emission limitation or standard. The Permittee shall submit the report to the Control Officer by certified mail, facsimile, or hand delivery within 2 working days of knowledge of the deviation; and the report shall contain a description of the probable cause of such deviations and any corrective actions or preventive measures taken. In addition, the Permittee shall report within a reasonable time of any long-term corrective actions or preventive actions taken as the result of any deviations from permit requirements.

All instances of deviations from the requirements of this Permit shall also be clearly identified in the semiannual monitoring reports.

[County Rule 210 §§302.1(e) & 305.1(c)]

D. EMERGENCY REPORTING:

The Permittee shall, as soon as possible, telephone the Control Officer giving notice of the emergency and submit notice of the emergency to the Control Officer by certified mail, facsimile, or hand delivery within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

[County Rule 130 §402.4 (locally enforceable only)]

E. EMISSION STATEMENTS REQUIRED AS STATED IN THE ACT:

Upon request of the Control Officer and as directed by the Control Officer, the Permittee shall provide the Control Officer with an annual emission statement, in such form as the Control Officer prescribes, showing measured actual emissions or estimated actual emissions. At a minimum the emission statement shall contain all information required by the Consolidated Emissions Reporting Rule in 40 CFR 51, Subpart A, Appendix A, Table 2A. The statement shall contain emissions for the time period specified by the Control Officer. The statement shall also contain a certification by a responsible official of the company that the information contained in the statement is accurate to the best knowledge of the individual certifying the statement.

[County Rule 100 §503] [SIP Rule 100 §504]

F. EXCESS EMISSIONS REPORTING:

(NOTE: This reporting subsection is associated with the requirements listed in the section entitled "Excess Emissions".)

1) The Permittee shall report to the Control Officer any emissions in excess of the limits established either by the County or SIP Rules or these Permit Conditions. The report shall be in two parts as specified below:

- a) Notification by telephone or facsimile within 24 hours of the time when the Permittee first learned of the occurrence of excess emissions. This notification shall include all available information listed in Permit Condition 16.F.2.

- b) A detailed written notification of an excess emissions report shall be submitted within 72 hours of the telephone notification in Permit Condition 16.F.1.a.
- 2) The excess emissions report shall contain the following information:
- a) The identity of each stack or other emission point where the excess emissions occurred.
 - b) The magnitude of the excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the magnitude of the excess emissions.
 - c) The time and duration or expected duration of the excess emissions.
 - d) The identity of the equipment from which the excess emissions emanated.
 - e) The nature and cause of such emissions.
 - f) The steps taken if the excess emissions were the result of a malfunction to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunction.
 - g) The steps that were or are being taken to limit the excess emissions.
 - h) If this Permit contains procedures governing source operation during periods of startup or malfunction and the excess emissions resulted from startup or malfunction, the report shall contain a list of the steps taken to comply with the Permit procedures.
- 3) In the case of continuous or recurring excess emissions, the notification requirements of this section shall be satisfied if the Permittee provides the required notification after excess emissions are first detected and includes in the notification an estimate of the time the excess emissions will continue. Excess emissions occurring after the estimated time period or changes in the nature of the emissions as originally reported shall require additional notification that meets the criteria of this Permit Condition.

[County Rule 140 §500] [SIP Rule 140]

G. OTHER REPORTING:

The Permittee shall furnish to the Control Officer, within a reasonable time, any information that the Control Officer may request in writing to determine whether cause exists for revising, revoking and reissuing this permit, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to the Control Officer copies of records required to be kept by this Permit. For information claimed to be confidential, the Permittee shall furnish a copy of such records directly to the Administrator along with a claim of confidentiality pursuant to Permit Condition 5.

[County Rule 210 §302.1(h)(5)]

17. RIGHT TO ENTRY AND INSPECTION OF PREMISES:

- A. The Control Officer during reasonable hours, for the purpose of enforcing and administering County or SIP Rules or the Clean Air Act, or any provision of the Arizona Revised Statutes relating to the emission or control prescribed pursuant thereto, may enter every building, premises, or other place, except the interior of structures used as private residences. Every person is guilty of a petty offense under ARS §49-488 who in any way denies, obstructs or hampers such entrance or inspection that is lawfully authorized by warrant.
- B. The Permittee shall allow the Control Officer or his authorized representative, upon presentation of proper credentials and other documents as may be required by law, to:
 - 1) Enter upon the Permittee's premises where a source is located or emissions-related activity is conducted, or where records are required to be kept pursuant to the conditions of the permit;
 - 2) Have access to and copy, at reasonable times, any records that are required to be kept pursuant to the conditions of the permit;
 - 3) Inspect, at reasonable times, any sources, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;
 - 4) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or other applicable requirements; and
 - 5) To record any inspection by use of written, electronic, magnetic, and photographic media.
[County Rule 100 §105] [County Rule 210 §305.1(f)] [SIP Rule 43]

SPECIFIC CONDITIONS:

18. ALLOWABLE EMISSION LIMITS:

A. FACILITY-WIDE REQUIREMENTS:

1) Offsite Sulfur Oxides limits:

The Permittee shall not emit into the ambient air any sulfur oxide in such manner and amounts as to result in ground level concentrations at any place beyond the premises on which the source is located exceeding those limits shown in the following table:

Table 1: Sulfur Dioxide Concentration Limits

Concentration of Sulfur Dioxide (ug/cubic m)	Averaging Time (hours)
850	1
250	24
120	72

[SIP Rule 32 F]

2) Opacity Limits:

- a) For sources with no source-specific opacity requirements, the Permittee shall not discharge into the ambient air from any single source of emissions any air contaminant, other than uncombined water, in excess of 20 percent opacity for a period aggregating more than three minutes in any 60-minute period.

[County Rule 300 §§102, 301, 501] [locally enforceable only]

- 1) Emergencies: Unavoidable combustion irregularities which exceed three minutes shall not constitute a violation of these Permit Conditions providing the owner or operator demonstrate to the Control Officer's satisfaction that an emergency exists in accordance with County Rule 100 §501.

[County Rule 300 §§301, 302.2] [locally enforceable only]

- b) Except as otherwise provided in Regulation I, Rule 4, Exceptions, the opacity of any plume or effluent from any source of emissions, other than uncombined water, shall not be greater than 40 percent opacity as determined by Reference Method 9 in the Arizona Testing Manual.

[SIP Rule 30]

B. ALLOWABLE EMISSIONS FOR THE STEAM UNITS AND COMBUSTION TURBINES:

1) Particulate matter limits:

The Permittee shall not cause, allow or permit the emission of particulate matter, caused by combustion of fuel, from any fuel burning equipment or stationary rotating

machinery having a heat input rate of 4200 million Btu per hour or less in excess of the amounts calculated by the following equation:

$$E = 1.02 Q^{0.769} \quad \text{where:}$$

E= the maximum allowable particulate emissions rate in pounds-mass per hour.

Q= the heat output in million Btu per hour.

[A.A.C. R-18-2-703, 719, 724, SIP Rule 31, H]

2) Additional Allowable Emissions for the Steam Units:

The Permittee shall not emit more than 1.0 pounds of sulfur dioxide, maximum two hours (three hours according to County Rule 320) average, per million BTU heat input when fuel oil containing less than 0.9 percent by weight of sulfur is fired.

[SIP Rule 32 H]

19. OPERATIONAL LIMITATIONS AND REQUIREMENTS:

A. FACILITY-WIDE OPERATIONAL LIMITATIONS:

- 1) The Permittee shall not emit gaseous or odorous air contaminants from equipment, operations or premises under his control in such quantities or concentrations as to cause air pollution.

[SIP Rule 32][County Rule 320 §300]

- 2) Materials including, but not limited to solvents or other volatile compounds, paints, acids, alkalis, pesticides, fertilizer and manure shall be processed, stored, used and transported in such a manner and by such means that they will not unreasonably evaporate, leak, escape or be otherwise discharged into the ambient air so as to cause or contribute to air pollution. Where means are available to reduce effectively the contribution to air pollution from evaporation, leakage or discharge, the installation and use of such control methods, devices or equipment shall be mandatory.

[SIP Rule 32][County Rule 320 §302]

- 3) Where a stack, vent or other outlet is at such a level that air contaminants are discharged to adjoining property, the Control Officer may require the installation of abatement equipment or the alteration of such stack, vent, or other outlet to a degree that will adequately dilute, reduce or eliminate the discharge of air contaminants to adjoining property.

[SIP Rule 32][County Rule 320 §303]

B. OPERATIONAL LIMITATIONS FOR THE STEAM UNITS AND COMBUSTION TURBINES:

- 1) An operating scenario shall be determined by the type of the fuel being burned by the combustion turbines and steam units; the amount of sulfur in the fuel burned by each unit; and operating level as a percent of capacity of each piece of equipment.

Percent of capability means the allowable capacity in comparison to full achievable capacity of the unit.

[SIP Rule 32] [County Rule 210 §302.1]

- 2) While combusting natural gas the Permittee shall burn only pipeline quality natural gas.
[County Rules 240 §308.1(a), (d), (e) and 322 §303][40 CFR 72.2]

- 3) The Permittee shall use operational practices recommended by the manufacturer and parametric monitoring to ensure good combustion control. The following procedure is in use:

[County Rule 322 §301.3]

- a) Monitor the maximum temperature differential across the combustion burners or at locations around the back end of the turbine, dependent upon the particular unit, to ensure no more than a 100 °F difference using a thermocouple. If a valid maximum temperature differential of greater than 100 °F is observed across the burners, investigation and corrective action shall be taken within three hours to reduce the temperature difference to 100 °F or less.

C. OPERATIONAL LIMITATIONS FOR NON-RESALE GASOLINE STORAGE TANKS WITH CAPACITY GREATER THAN 250 GALLONS:

- 1) The Permittee shall limit gasoline throughput to less than 120,000 gallons of gasoline in any 12 consecutive calendar months.

[County Rule 353 §305.2(a)][SIP Rule 353 §303.2]

- 2) Basic Tank Integrity: No vapor or liquid escapes are allowed through a dispensing tank's outer surfaces, nor from any of the joints where the tank is connected to pipe(s), wires, or other systems.

[County Rule 353 §301]

- a) Tanks and their fittings shall be vapor tight except for the outlet of a pressure/vacuum relief valve on a dispensing tank's vent pipe. Specifically, this means that at a probe tip distance of 1 inch (2.5 cm) from a surface, no vapor escape shall exceed 1/5 of the lower explosive limit. This applies to tanks containing gasoline regardless of whether they are currently being filled, and to caps and other tank fittings.

[County Rule 353 §301.1][SIP Rule 353 §301]

- b) Gasoline and receiving operations shall be leak free. Specifically, no liquid gasoline escape of more than 3 drops per minute is allowed. This includes leaks through the walls of piping, fittings, fill hose(s), and vapor hose(s).

[County Rule 353 §301.2(a)][SIP Rule 353 §§301]

- c) There shall be no excess gasoline drainage from the end of a fill hose or a vapor hose. Specifically, not more than 2 teaspoonfuls of gasoline shall be lost in the course of a connect or disconnect process.

[County Rule 353 §301.2(b)][SIP Rule 353 §§301.3]

- d) Spill Containment Equipment: The entire spill containment system, including gaskets, shall be kept vapor-tight.
[SIP Rule 353 §§301, 303.2][County Rule 353 §§301.3(a), (b), & (c)]
[Technical Guidance Document TGOO-002]
- (1) Spill Containment Receptacle: The outer surface of the spill containment receptacle shall have no holes or cracks and shall allow no vapors to pass from the dispensing tank through it to the atmosphere. Spill containment receptacles shall be kept clean and free of foreign material at all times. Spill containment receptacles shall be inspected at least weekly. Records of inspection and cleaning shall be kept according to Rule 353 §502.2. If deliveries are less than weekly, inspection and recording of the inspection at the time of each delivery will be considered an acceptable alternative to the weekly inspection and recordkeeping requirements of Rule 353.
- (2) If the spill containment is equipped with a passageway to allow material trapped by the containment system to flow into the interior of the dispensing tank, the passageway shall be kept vapor tight at all times, except during the short period when a person opens the passageway to immediately drain material trapped by the containment system into the tank, and the bottom of the receptacle shall be designed and kept such that no puddles of gasoline are left after draining through the passageway has ceased.
- (3) The Permittee is responsible for assuring that, before a delivery vessel leaves the premises after a delivery, any gasoline in a dispensing tank's spill containment receptacle has been removed, any gasoline that a person has taken out of spill tank receptacle (as a free liquid or as absorbed into/onto other material removed from the receptacle) is contained in such a way that VOC emission is prevented (disposal in conformance with applicable hazardous waste rules is sufficient to meet this requirement), and any plunger/stopper assembly is unimpeded and sealing correctly.
- e) Criteria of Violation/Exceedance for Spill-Containment Receptacles: A reading on a combustible gas detector (CGD) or organic vapor analyzer (OVA) exceeding 1/5 LEL (10,000 ppm as methane) is an exceedance. The procedure for performing a determination is set forth in Rule 353 §504.3.
[County Rule 353 §301.3(d)][SIP Rule 353 §§301, 303.2]
- 3) Fill Pipe Requirements: Each fill-line into a stationary dispensing tank shall be equipped with a permanent submerged fill pipe that has a discharge opening which is completely submerged when the liquid level is six inches above the tank bottom.
[County Rule 353 § 302.1] [Technical Guidance Document TGOO-002]
[SIP Rule 353 §§301, 303.2]
- a) Threads, gaskets, and mating surfaces of the fill pipe assembly shall be designed and maintained tight. There shall be no liquid or vapor leakage at the joints of the assembly.

- b) The Permittee is responsible to assure that external fittings of a fill pipe assembly shall be inspected weekly to assure that cap, gasket, and piping are intact and are not loose. A record of the inspection shall be made according to Rule 353 §502.2. If deliveries are less than weekly, inspection and recording of the inspection at the time of each delivery will be considered an acceptable alternative to the weekly inspection and recordkeeping requirements of Rule 353.
 - c) The Permittee shall act to prevent driver/deliverers from connecting the delivery hose coupling with so much twisting force that the fill pipe assembly is loosened. One method of complying is to have a CARB-certified swivel coupling as part of the fill pipe assembly (reference Rule 353 §503.4).
- 4) Fill Pipe Caps: The cap shall have a securely attached, intact gasket. The cap and its gasket shall always function properly, latch completely so that it cannot then be easily twisted by hand, and have no structural defects. The cap of a gasoline fill pipe shall always be fastened securely on the fill pipe except immediately before during, and immediately after: “sticking” the tank to measure gasoline depth, delivering gasoline into the tank, and doing testing, maintenance, or inspection on the gasoline/vapor system. Do not unfasten or remove a fill pipe cap unless every other fill pipe is either securely capped or connected to a delivery hose, except as otherwise needed for testing, maintenance, or inspection.
- [County Rule 353 §302.2][SIP Rule 353 §§301, 303.2]
- 5) Overfill Protection Equipment: Overfill prevention equipment shall be vapor tight to the atmosphere. Any device mounted within the fill pipe shall be so designed and maintained that no vapor from the vapor space above the gasoline within the tank can penetrate into the fill pipe or through any of the fill pipe assembly into the atmosphere.
- [County Rule 353 §302.5][SIP Rule 353 §§301, 303.2]
- 6) NESHAP Requirements:
The Permittee must comply with the standards in this section no later than January 10, 2011.
- [40 CFR §§ 63.11113(b) and 63.11116(c)]
- a) The Permittee must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:

[40 CFR §63.11116(a)]

 - (1) Minimize gasoline spills;
 - (2) Clean up spills as expeditiously as practicable;
 - (3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;
 - (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

- b) The Permittee must have records available within 24 hours of a request by the EPA Administrator or the Control Officer to document gasoline throughput.
[40 CFR §63.11116(b)]

D. OPERATIONAL LIMITATIONS FOR INTERNAL COMBUSTION ENGINES USED FOR EMERGENCY PURPOSES:

- 1) **The emergency generator(s) shall not be used for peak shaving.** The emergency internal combustion engines shall only be used as follows:
 - a) For power when normal power service fails from the serving utility or if onsite electrical transmission or onsite power generation equipment fails.
 - b) For the emergency pumping of water resulting from a flood, fire, lightning strikes, police action, or any other essential public services which affect public health and safety.
 - c) For reliability-related activities such as engine readiness, calibration, or maintenance or to prevent the occurrence of an unsafe condition during electrical system maintenance, as long as the total number of hours of operation does not exceed 100 hours per calendar year per engine as evidenced by an installed non-resettable hour meter.
 - d) Used to operate standby emergency water pumps for fire control that activate when sensors detect low water pressure.
[County Rule 324 §104 and 220 §302.2]
- 2) The Permittee shall only use fuel that contains no more than 0.05% sulfur by weight, alone or in combination with other fuels.
[County Rule 324 §301.1] [locally enforceable only]
- 3) The Permittee shall not allow any emergency engine to operate more than 500 hours per year, including the 100 hours allowed by Permit Condition 19.D.1)c) as evidenced by an installed non-resettable hour meter.
[County Rule 324 §205 and 104.5][locally enforceable only]
- 4) 40 CFR 63, Subpart ZZZZ Operating Requirements:
The Permittee shall comply with the requirements for emergency stationary reciprocal internal combustion engines (RICE) in this section that commenced construction before June 12, 2006.
 - a) The Permittee shall operate and maintain each engine and associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Control Officer which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
[40 CFR §63.6605(b); Table 6]
 - b) The Permittee shall operate and maintain each engine according to the manufacturer's

emission-related operation and maintenance instructions or develop and follow the Permittee's own maintenance plan which must provide to the extent practicable for the operation and maintenance of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[40 CFR §63.6640(a)]

- c) The Permittee shall comply with the following maintenance schedule for each compression ignition engine subject to ZZZZ:

(1) Change oil and filter every 500 hours of operation or annually, whichever comes first.

(2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;

(3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

[40 CFR §63.6603(a); Table 2d(4)]

- d) If an engine is operating during an emergency and it is not possible to shut down the engine in order to perform the maintenance requirements on the schedule required by this Permit Condition, or if performing the maintenance operations on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the maintenance operations can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The maintenance operations shall be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the maintenance operations on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

[40 CFR §63.6603(a); Table 2d]

- e) During periods of startup, the Permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

[40 CFR §63.6625(h)]

- f) Emergency stationary internal combustion engines may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. Anyone may petition the EPA Administrator and the Control Officer for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency engines beyond 100 hours per year. Any operation other than emergency operation, and maintenance and testing as permitted by this condition, is prohibited.

[40 CFR §63.6640(f)(2)(i)]

20. MONITORING AND RECORDKEEPING:

A. FACILITY-WIDE MONITORING:

- 1) The Permittee shall monitor for continuous compliance with sulfur oxides standards based on certification from the fuel supplier at the time of each fuel oil delivery. The Permittee shall keep all the records of the fuel supplier certification from each delivery regarding the fuel specification and sulfur content.
[County Rules 320 and 210 §302.1] [SIP Rule 32]
- 2) The Permittee shall log all opacity readings. This information should include the date and time, when that reading was taken, results of the reading, name of the person who took the reading and any other related information as required by the protocol for EPA Reference Method 9 as modified by EPA Reference Method 203B.
[County Rules 300 and 210] [SIP Rule 30]
- 3) The Permittee shall maintain a log of complaints of odors detected off-site. The log shall contain a description of the complaint, date and time that the complaint was received, and if given, name and/or phone number of the complainant. The logbook shall describe what actions were performed to investigate the complaint, the results of the investigation, and any corrective actions that were taken.
[County Rules 320 and 210 §302.1] [SIP Rule 32]
- 4) Opacity Determination: For sources with no source-specific opacity requirements, the Permittee shall not discharge into the ambient air from any single source of emissions any air contaminant, other than uncombined water, in excess of 20 percent opacity (40 percent opacity according to SIP Rule 30) for a period aggregating more than three minutes in any 60-minute period. Opacity shall be determined by observations of visible emissions conducted in accordance with EPA Reference Method 9 as modified by EPA Reference Method 203B.
[SIP Rule 30][County Rule 300 §§ 102, 301, 501]

B. MONITORING REQUIREMENTS FOR THE STEAM UNITS AND COMBUSTION TURBINES:

- 1) Monitoring Requirements for the Steam Units Only:
The Permittee shall meet the monitoring requirements as specified in 40 CFR 75 §§10, 11 (d), and 12 (a).
[40 CFR 75] [County Rule 371]
- 2) Monitoring Requirements for the Steam Units Only:
The Permittee shall install, calibrate, maintain and operate in accordance with Rule 245 a continuous emission monitoring system for measurement of opacity for the boilers which meets the performance specifications of Rule 245 § 303.1 except if the Permittee is able to comply with the applicable particulate matter and opacity regulations without utilization of particulate matter collection equipment and if the Permittee has never been found through any administrative or judicial proceedings to be in violation of any visible emission standard of the applicable plan.
[County Rule 245] [locally enforceable only]

- 3) The Permittee shall keep records of sulfur content of the fuel being fired in each steam unit to monitor for the compliance with the sulfur dioxide limitations from these permit conditions. In a case when delivered fuel oil has a sulfur content less than 0.05%, certification from the fuel supplier shall be sufficient to monitor for compliance with sulfur content requirements of these permit conditions.

When fuel oil is delivered via pipeline the Permittee shall monitor for compliance with the fuel oil sulfur content standards of these Permit Conditions based on certification from the fuel supplier.

[County Rule 210] [locally enforceable only]

- 4) The Permittee shall monitor for compliance with the particulate matter emissions limits of the permit by taking a visual reading of the stack emissions from each steam unit and each combustion turbine using EPA Reference Method 22 each week of operation during which that equipment was used more than 10 hours while burning fuel oil. If emissions are visible, the Permittee shall obtain an opacity reading by a certified reader using EPA Reference Method 9. This reading shall be taken within 3 days of the visible emissions and taken thereafter weekly until there are no visible emissions. If the problem is corrected before three days have passed, and no emissions are visible, the Permittee shall not be required to conduct the certified reading. If reading exceeds 15 percent opacity, the Control Officer may require emissions testing by other EPA approved Reference Methods such as Reference Method 5 to demonstrate compliance with the particulate matter emission limits of these Permit Conditions.

[County Rules 210 and 300 §§301 and 501] [SIP Rule 31]

For the purposes of these Permit Conditions, a certified Visible Emissions reader shall mean an individual who, at the time the reading is taken, is certified according to the County Rule Appendix C Section 3.4.

[County Rule Appendix C §3.4] [locally enforceable only]

- 5) The Permittee shall monitor for compliance with the opacity requirements of these Permit Conditions by taking a visual reading of the stack emissions from each turbine and each steam unit using EPA Reference Method 22 during each week of operation in which that unit was used more than 10 hours while burning fuel oil. Readings shall not be taken during start-up, shut down or any other irregularities in the operation which do not exceed three minutes in length. If emissions are visible, the Permittee shall obtain an opacity reading by a certified visible emissions (VE) reader. This reading shall be taken within 3 days of the observance of visible emissions and taken weekly thereafter during each week that the unit is in operation until there are no visible emissions. If the problem is corrected before three days has passed, and no emissions are visible, the Permittee shall not be required to conduct the certified reading.

[County Rule 210] [SIP Rule 31]

C. RECORDKEEPING REQUIREMENTS FOR THE STEAM UNITS AND COMBUSTION TURBINES:

- 1) Recordkeeping Requirements for the Steam Units Only:
The Permittee shall maintain a file of all measurements as required by Rule 210 § 302.1.d, including continuous monitoring system (CO₂ and NO_x emission records), monitoring device (operating parameter record; all continuous monitoring system

performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by 40 CFR Part 75 Subpart F recorded in a permanent form.

[40 CFR Part 75 Subpart F][County Rule 210]

- 2) The Permittee shall keep all the records of the fuel supplier certification of the sulfur content of the fuel oil being combusted in each steam unit and each combustion turbine. The supplier certification shall include:

- a) The name of the oil supplier;
- b) The sulfur content of the oil from which the shipment came (or of the shipment itself); and
- c) The method used to determine the sulfur content of the oil

[County Rules 320, 210 §302.1.c] [SIP Rule 32]

- 3) If the Permittee performs the sampling procedure in order to determine fuel sulfur content of the oil, than the Permittee shall also keep the records of the location of the oil when the sample was drawn for analysis, specifically including whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil in storage at the facility or another location.

[County Rules 210 and 320] [SIP Rule 32]

- 4) The Permittee shall keep records of the natural gas supplier to monitor for compliance with permit Condition 19 B. 2.

[County Rule 210] [locally enforceable only]

- 5) The Permittee shall keep daily records of the type, sulfur content and amount of fuel used in each steam unit and each combustion turbine.

[County Rules 210 and 320] [SIP Rule 32]

- 6) The Permittee shall log the opacity reading conducted in accordance with EPA Reference Method 22 and log the opacity reading conducted in accordance with EPA Reference Method 9, as modified by EPA Reference method 302B. This information should include the date and time, when that reading was taken, results of the reading, name of the person who took the reading and any other related information as required.

[County Rules 300, 210] [SIP Rule 30]

- 7) The Permittee shall keep daily records of hours of operation for each steam unit and each combustion turbine.

[County Rule 210] [locally enforceable only]

D. RECORDKEEPING REQUIREMENTS FOR INTERNAL COMBUSTION ENGINES USED FOR EMERGENCY PURPOSES:

The Permittee shall comply with the following requirements and keep records for a period of 5 years:

- 1) Keep a record that includes an initial one time entry that lists the particular engine combustion type (compression or spark-ignition or rich or lean burn); manufacturer; model designation, rated brake horsepower, serial number, and where the engine is located on the site.

[County Rule 324 §502.1] [locally enforceable only]

- 2) Keep an engine record that includes:

- a) Monthly rolling twelve month total hours of operation, including hours of operation for testing, reliability, and maintenance;
- b) Fuel type and sulfur content of fuel; and
- c) Explanation for the use of the engine.

[County Rule 324 §502.4] [locally enforceable only]

- 3) Records of the following for each engine subject to 40 CFR 63 Subpart ZZZZ:

- a) Oil and filter change dates or oil analysis results and corresponding hours on the hour meter;
- b) Inspection and replacement dates for air cleaners, spark plugs, hoses, and belts;
- c) Records of other emission-related repairs and maintenance performed.
- d) The Permittee shall maintain an onsite copy of the manufacturer's written instructions, or procedures developed by the Permittee in accordance with these Permit Conditions and make it available to MCAQD upon request.

[Rule 220 §302.7] [40 CFR §§63.6655(e), 63.6660]

E. MONITORING/RECORDKEEPING REQUIREMENTS FOR NON-RESALE GASOLINE STORAGE TANKS GREATER THAN 250 GALLONS AND GASOLINE THROUGHPUT LESS THAN 120,000 GALLONS PER YEAR:

The Permittee shall keep the following records and supporting information no less than five years from the date of such record:

- 1) Inspect spill containment receptacles weekly for cracks, defects, foreign material, and spilled gasoline. Weekly inspection records of the fill pipe and spill containment shall be recorded Saturday of the following week. If deliveries are less than weekly, inspection and recording of the inspection at the time of each delivery will be considered an acceptable alternative to the weekly inspection and recording requirements of the rule.

[Rule 353 §301.3(a)(3)]

- 2) External fittings of the fill pipe assembly shall be inspected weekly to assure that the cap, gasket, and piping are intact and are not loose. Weekly inspection records of the fill pipe and spill containment shall be recorded Saturday of the following week. If deliveries are less than weekly, inspection and recording of the inspection at the time of each delivery will be considered an acceptable alternative to the weekly inspection and

recording requirements of the rule.

[Rule 353 §302.1(b)]

- 3) The total amount of gasoline received each month shall be recorded by the end of the following month.
- 4) Records of the last 12 months shall be onsite and readily available to the Control Officer without delay.

[Rule 353 §502]

21. REPORTING REQUIREMENTS:

A. SEMIANNUAL COMPLIANCE CERTIFICATION AND MONITORING REPORT:

The Permittee shall submit the first semiannual Monitoring Report and Compliance Certification no later than January 31 or July 31st, whichever occurs earlier, for the 6-month period (or applicable part of such period) ending December 31 or June 30, whichever occurs earlier. The Permittee shall submit a semiannual Compliance Certification and a Monitoring Report every 6 months thereafter for each of the same 6-month periods. The reports shall be submitted to the Applied Science Division with attention to: Compliance Division Manager, and shall include those corresponding requirements found in Condition 4.B and at a minimum the following:

- 1) Summary of the compliance status with respect to each condition contained in this permit. This shall include, but is not limited to a description of the basis for the summary conclusions with respect to each permit condition;
[County Rule 210] [locally enforceable only]
- 2) Hours of the operation for each steam unit and each combustion turbine;
[County Rules 210 and 320] [SIP Rule 32]
- 3) Dates on which opacity reading were taken, the test method used, and the observed opacity;
[County Rules 300 and 210] [SIP Rule 30]
- 4) Fuel supplier certification regarding sulfur content for all fuel oil delivered during reporting period;
[County Rules 210 and 320] [SIP Rule 32]
- 5) A copy of the log of neighbor complaints of odors or air pollution, and the results of investigations performed in response to odor or air pollution complaints and any corrective actions taken.
[County Rules 210 and 320] [SIP Rule 32]
- 6) If any gaseous fuels other than pipeline quality natural gas were used.
[County Rule 210] [locally enforceable only]
- 7) Any deviations from the approved Dust Control Plan.
[County Rule 210 §302.1.e. (1)] [locally enforceable only]

B. REPORTING REQUIREMENTS FOR THE STEAM UNITS AND COMBUSTION TURBINES:

- 1) Reporting Requirements for the steam units only: The Permittee shall electronically report to EPA the data and information as required by 40 CFR Part 75 up to 64 on a

quarterly basis. Quarterly submittals shall include facility data, unit emission data, monitoring data, control equipment data, monitoring plans and quality assurance data and results.

[40 CFR 75] [County Rules 210 and 371]

22. TESTING REQUIREMENTS:

The combustion units at the current facility were constructed and operational before the current testing regulations were put into effect and are exempt from the current testing requirements.

[County Rule 322] [locally enforceable only]

23. OTHER REQUIREMENTS:

A. PERMIT SHIELD:

Compliance with the conditions of this Permit shall be deemed compliance with the applicable requirements identified in Appendix B of this Permit. The Permit Shield extends to the non-applicable requirements identified in Appendix C of this permit. The Permit Shield shall not extend to minor permit revisions.

[County Rule 210 §§405.7, 407] [locally enforceable only]

B. ACID RAIN PERMIT:

[County Rule 371] [40 CFR 72, 73, and 75]

- 1) The Acid Rain Phase II Permit Application and Certificate of Representation signed by the Designated Representative and submitted to the Control Officer shall constitute the Permittee's Acid Rain Permit.
- 2) The Permittee shall comply with the Acid Rain Permit, 40 CFR Parts 72, 73, and 75, and the Acid Rain requirements of Permit Condition 6.A.
- 3) The relevant Conditions of this Permit and the Acid Rain Permit, including but not limited to, the Allowable Emission Limits, Operation Requirements, Monitoring/Recordkeeping Requirements, Reporting Requirements, and Testing Requirements shall constitute the Compliance Plan required by 40 CFR Part 72 Subpart D.
- 4) The Permittee shall hold SO₂ Allowances as of the allowance transfer deadline in each Combined Cycle System compliance subaccount not less than the total annual actual emissions of SO₂ for the previous calendar year from each combined Cycle System as required by the Acid Rain Program.

[County Rule 210 §§302.1(b) (2) & 302.1(f)] [County Rule 371 §301]

[County Rule 371][40 CFR 72, 73, and 75]

24. ABRASIVE BLASTING:

A. MATERIAL LIMITATION:

The Permittee shall limit the use of abrasive blasting material to no more than 25 tons per 12-consecutive month period.

[Rule 220 §302.2] [Locally Enforceable Only]

B. OPACITY LIMITATION:

The Permittee shall not discharge into the atmosphere from any abrasive blasting operation any air contaminant for an observation period or periods aggregating more than three minutes in any sixty minute period an opacity equal to or greater than 20 percent. An indicated excess will be considered to have occurred if any cumulative period of 15-second increments totaling more than three minutes within any sixty minute period was in excess of twenty percent opacity. Opacity shall be measured in accordance with EPA Reference Method 9 and the provisions of Rule 312 Section 505.

[Rule 312 §§ 305, 505] [SIP Rule 312 §305]

C. DEFINITIONS:

For the purpose of this permit, the following definitions shall apply:

- 1) **Certified Abrasive:** An abrasive that has been certified by the California Air Resources Board (CARB). An abrasive purchased during the certified period remains certified for use following its expiration date. A list of CARB-certified abrasives is available at the following:

<http://www.arb.ca.gov/ba/certabr/eo/eo.htm>

- 2) **Confined Enclosure:** A structure that is used, in whole or in part, for abrasive blasting operations and consists of three or four sides and a roof or cover.
- 3) **Unconfined Blasting:** Any abrasive blasting operation that is not performed in a confined enclosure.
- 4) **Wind Event:** An occurrence when the 60-minute average wind speed is greater than 25 miles per hour.

[Rule 312 §200][Locally Enforceable Only]

D. REQUIREMENTS FOR CONFINED BLASTING:

- 1) All abrasive blasting operations shall be performed in a confined enclosure.

[Rule 312 §§ 204, 301][Locally Enforceable Only]

- 2) Blasting shall be directed away from the open side of the structure.

[Rule 312 §204][Locally Enforceable Only]

- 3) Dry abrasive blasting in a confined enclosure with a forced air exhaust shall be conducted by implementing one of the following:

- a) Using a certified abrasive,
- b) Using steel or iron shot/grit, or
- c) Venting to an emission control system (ECS).

[Rule 312 §303][Locally Enforceable Only]

4) **WORK PRACTICES:**

At the end of the work shift, the Permittee shall clean up spillage, carry-out, and/or trackout of any spent abrasive material with a potential to be transported during a wind event.

[Rule 312 §308.2][Locally Enforceable Only]

E. **RECORDKEEPING:**

The Permittee shall retain copies of reports, logs, and supporting documentation required by this permit for at least 5 years. At a minimum, the Permittee shall keep the following records of abrasive blasting operations on site:

- 1) The date the blasting occurs,
- 2) The blasting equipment that is operating,
- 3) A description of the type of blasting (confined, unconfined, sand, wet, or other),
- 4) A description of the ECS associated with the blasting operations,
- 5) The type and amount of solid abrasive material consumed on a monthly basis. Include name of certified abrasive used, as applicable, and
- 6) Safety Data Sheets (SDS) or results of any lead testing that was performed on paint that is to be removed via unconfined blasting, as applicable.

[Rule 312 §§501, 502][Locally Enforceable Only]

25. SURFACE COATING OPERATIONS:

(NOTE: THIS DOES NOT INCLUDE ARCHITECTURAL COATINGS WHICH IS COVERED ELSEWHERE IN THESE PERMIT CONDITIONS):

If the Permittee engages in any surface coating operations, other than architectural coatings, the Permittee shall comply with all applicable conditions from County Rule 336: Surface Coating Operations.

[County Rule 336] [SIP Rule 336]

26. SOLVENT CLEANING:

If the Permittee engages in any solvent cleaning, the Permittee shall comply with all applicable conditions of County Rule 331: Solvent Cleaning.

[County Rule 331 §301] [SIP Rule 331 §301]

27. ARCHITECTURAL COATINGS:

If the Permittee applies any architectural coatings, the Permittee shall comply with all applicable conditions of County Rule 335: Architectural Coatings.

[County Rule 335] [SIP Rule 335]

28. VOLATILE ORGANIC COMPOUNDS:

The Permittee shall comply with all applicable requirements from County Rule 330: Volatile Organic Compounds.

[County Rule 330 §307.2] [locally enforceable only]

APPENDIX A
AGUA FRIA GENERATING STATION EQUIPMENT LIST

Equipment Descriptions						
Equipment Name/Type	Vendor or Manufacturer	Model	Serial Number	Date Installed	Quantity	Capacity
<i>Electric Generating Units:</i>						
Unit 1 Boiler	Riley Stoker	3182	n/a	1958	1	1,253 MMBtu/hr
Unit 2 Boiler	Riley Stoker	3182	n/a	1957	1	1,253 MMBtu/hr
Unit 3 Boiler	Riley Stoker	3373	n/a	1961	1	1,956 MMBtu/hr
Unit 4 Gas Turbine	Westinghouse	W-501B2	n/a	1975	1	1,129 MMBtu/hr
Unit 5 Gas Turbine	Westinghouse	W-501B1	n/a	1974	1	1,118 MMBtu/hr
Unit 6 Gas Turbine	Westinghouse	W-501B1	n/a	1974	1	1,118 MMBtu/hr
<i>Cooling Towers:</i>						
Cooling Tower 1	Marley	n/a	n/a	1952	1	82,000 gpm
Cooling Tower 2	Marley	n/a	n/a	1954	1	82,000 gpm
Cooling Tower 3	Marley	n/a	n/a	1961	1	76,250 gpm
<i>Supporting Activities:</i>						
Fire Pump	n/a	n/a	n/a	n/a	1	258 hp
Emergency Generator	n/a	n/a	n/a	n/a	1	355 hp
Gasoline Tank	n/a	n/a	n/a	n/a	1	500 gal
Parts Washers	n/a	n/a	n/a	n/a	misc.	n/a
Blast Building	n/a	n/a	n/a	n/a	1	19,500 acfm
Abrasive Blasting Cabinet (aka Bead Blaster)	Clemco	3636	n/a	2014	1	3' x 3' x 3'
<i>Insignificant Activities:</i>						
Diesel Tank #1	n/a	n/a	n/a	n/a	1	1,807,974 gal
Diesel Tank #2	n/a	n/a	n/a	n/a	1	2,861,964 gal
Diesel Tank #3	n/a	n/a	n/a	n/a	1	5,511,072 gal
Diesel Tank #3A	n/a	n/a	n/a	n/a	1	434,910 gal
Diesel Tank #3B	n/a	n/a	n/a	n/a	1	434,910 gal
Diesel Tank – Vehicles	n/a	n/a	n/a	n/a	1	550 gal
Diesel Tank – Fire Pump	n/a	n/a	n/a	n/a	1	275 gal
Diesel Tank – Emergency Generator	n/a	n/a	n/a	n/a	1	550 gal
Misc. chemical and petroleum storage tanks ≤ 250 gal	n/a	n/a	n/a	n/a	n/a	n/a
Misc. lube oil tanks ≤ 12,000 gal	n/a	n/a	n/a	n/a	n/a	n/a
Laboratory equipment	n/a	n/a	n/a	n/a	n/a	n/a
Acid storage	n/a	n/a	n/a	n/a	n/a	n/a
Welding exhaust	n/a	n/a	n/a	n/a	n/a	n/a
Hand held equipment	n/a	n/a	n/a	n/a	n/a	n/a
Small Paint Booth	Binks	n/a	n/a	n/a	1	3,500 acfm
n/a = not available or not applicable						

**APPENDIX B
PERMIT SHIELD**

Agua Fria Generating Station

Permit Number V95-010

Identified below are all federal, state and local air pollution control requirements applicable to Agua Fria Generating Station at the time the permit is issued. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance included in the Appendix B “Permit Shield” of this permit.

County Enforceable Requirements

Maricopa County

Air Pollution Control Regulations

Rule 100		General Provisions and Definitions (06/06/07)
	§104	Circumvention
	§105	Right of Inspection of Premises
	§106	Right of Inspection of Records
	§ 301	Air Pollution Prohibited
	§ 302	Applicability of Multiple Rules
	§ 501	Reporting Requirements
	§ 502	Data Reporting
	§ 503	Emission Statements Required as Stated in the Act
	§ 504	Retention of Records
	§ 505	Annual Emissions Inventory Report

Rule 200		Permit Requirements (03/26/08)
	§ 301	Permits Required
	§ 302	Title V Permit
	§ 305	Dust Control Permit
	§ 307	Permit to Burn
	§ 309	Standards for Applications
	§ 310	Permit Conditions
	§ 311	Prohibition – Permit Modification
	§ 312	Permit Posting Required
	§ 401	Approval or Denial of Permit or Permit Revision
	§ 402	Permit Reopenings; Revocation and Reissuance; Termination

Rule 200		Permit Requirements (03/26/08)
	§ 403	Permit Renewal
	§ 404	Permit Transfers
	§ 406	Appeal
	§ 407	Air Quality Impact Models
	§ 408	Testing Procedures
	§ 409	Permit Fees
	§ 410	Portable Sources
	§ 411	Public Records; Confidentiality

Rule 210		Title V Permit Provisions (06/06/07)
	§ 301	Permit Application Processing Procedures
	§ 401	Fees Required
	§ 402	Permit Term
	§ 403	Source Changes Allowed Without Permit Revisions
	§ 404	Administrative Permit Amendments
	§ 405	Minor Permit Revisions
	§ 406	Significant Permit Revisions
	§ 407	Permit Shields

Rule 270		Performance Tests (11/15/93)
	§ 301	Performance Tests Required (approved test methods)
	§301.1	Applicable Procedures and Testing Methods
	§ 301.2	Opacity determined by Reference Method 9 of the AZ Testing Manual
	§ 401	Performance Tests Required
	§ 402	Testing Criteria
	§ 403	Testing Conditions
	§ 404	Notice of Testing
	§ 405	Testing Facilities Required
	§ 406	Minimum Testing Required
	§ 407	Compliance with the Emission Limits
	§ 408	Additional Testing

Rule 280		Fees (03/26/08)
	§ 301	Title V Permit Fees
	§ 304	Annual Adjustment of Fees
	§ 308	Gasoline Delivery Vessel Decal Fee
	§ 309	Open Burn Fee
	§ 310	Dust Control Permit Fee
	§ 313	Asbestos Notification and Plan Review Filing Fee
	§ 402	Payment of Fees

Rule 300		Visible Emissions (03/12/08)
	§ 301	Limitations
	§ 302	Exceptions
	§ 501	Compliance Determination – Opacity

Rule 310		Fugitive Dust From Dust-Generating Operations (03/26/08)
	§ 301	General Requirements for Dust-Generating Operations
	§ 302	Permit Requirements for Dust-Generating Operations
	§ 304	Stabilization Requirements for Dust-Generating Operations
	§ 402	Dust Control Plan Requirements
	§ 409	Posting of Permits for Dust-Generating Operations
	§ 501	Compliance Determination
	§ 502	Recordkeeping
	§ 503	Records Retention

Rule 312		Abrasive Blasting (07/02/03)
	§ 302	Requirements for Unconfined Blasting
	§ 505	Opacity Observations

Rule 314		Open Outdoor Fires and Indoor Fireplaces at Commercial and Institutional Establishments (03/12/08)
	§ 301	Prohibition – Open Outdoor Fires
	§ 302	Open Outdoor Fires Required to Obtain a Burn Permit
	§ 401	Fees Required

Rule 314	Open Outdoor Fires and Indoor Fireplaces at Commercial and Institutional Establishments (03/12/08)
§ 402	Burn Permit Application

Rule 320	Odors and Gaseous Air Contaminants (07/02/03)
§ 302	Material Containment Required
§ 304	Limitation – Hydrogen Sulfide
§ 305	Permit Conditions – High Sulfur Oil
§ 306	Limitation – Sulfur Dioxide from Industries

Rule 335	Architectural Coatings (7/13/88)
§ 301	Prohibition – Bituminous Pavement Sealers
§ 302	Interim Limits – Non-Flat Architectural Coatings
§ 303	Final Limits – Non-Flat Architectural Coatings
§ 304	Limits – Flat Architectural Coatings
§ 305	Limits – Specialty Coatings
§ 306	Exemptions – Specific-Use Coatings
§ 307	Exemption – Small Containers

Rule 340	Cutback and Emulsified Asphalt (9/21/92)
§ 301	Limitations
§ 302	Exemptions
§ 303	Labeling Requirement
§ 501	Recordkeeping and Reporting

Rule 370	Federal Hazardous Air Pollutant Program (09/16/09)
§ 301	Standards of Performance for Federally Listed Hazardous Air Pollutants
§ 301.1	Subpart A – General provisions
§ 301.8	Subpart M – National Emission Standard for Asbestos
§ 401	Case-by-Case MACT Determinations

Rule 371	Acid Rain (07/07/10)
§ 301	Incorporated Subparts of the Federal Acid Rain Regulations

State Requirements
Arizona Administrative Code
(Applicable in Maricopa County; ARS § 49-106)

R18-2-703.C.1	<p>No person shall cause, allow or permit the emission of particulate matter in excess of the amounts calculated by one of the following equations:</p> <p>1. For equipment having a heat input rate of 4200 million Btu per hour or less, the maximum allowable emissions shall be determined by the following equation: $E = 1.02Q^{0.769}$ where: E = the maximum allowable particulate emissions rate in pounds-mass per hour. Q = the heat input in million Btu per hour.</p>
R18-2-719.C.1	<p>No person shall cause, allow or permit the emission of particulate matter, caused by combustion of fuel, from any stationary rotating machinery in excess of the amounts calculated by one of the following equations:</p> <p>1. For equipment having a heat input rate of 4200 million Btu per hour or less, the maximum allowable emissions shall be determined by the following equation: $E = 1.02Q^{0.769}$ where: E = the maximum allowable particulate emissions rate in pounds-mass per hour. Q = the heat input in million Btu per hour.</p>
R18-2-724.C.1	<p>No person shall cause, allow or permit the emission of particulate matter, caused by combustion of fuel, from any fuel-burning operation in excess of the amounts calculated by one of the following equations:</p> <p>1. For equipment having a heat input rate of 4200 million Btu per hour or less, the maximum allowable emissions shall be determined by the following equation: $E = 1.02Q^{0.769}$ where: E = the maximum allowable particulate emissions rate in pounds-mass per hour. Q = the heat input in million Btu per hour.</p>
R18-2-727.A	<p>No person shall conduct any spray paint operation without minimizing organic solvent emissions. Such operations other than architectural coating and spot painting, shall be conducted in an enclosed area equipped with controls containing no less than 96% of the overspray.</p>

Federally Enforceable Requirements

Accidental Release Program (40 CFR Part 68)

§ 112(r)(1)	General duty to identify, prevent and minimize the consequences of accidental releases of listed and other extremely hazardous substances.
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NESHAP Program (40 CFR Part 61)

Subpart M National Emission Standard for Asbestos	
§ 61.145	Standard for demolition and renovation
§ 61.150	Standard for waste disposal for manufacturing, fabricating, demolition, renovation, and spraying operations.

Subpart ZZZZ National Emission Standard for Hazardous Air Pollutants from Internal Combustion Engines	
§ 63.6603(a) and Table 2d	Management Practices
§ 63.6604	Fuel Requirements
§ 63.6605	General Requirements
§ 63.6625(e),(f), (h), (i)	Monitoring, Installation, Collection, Operation and Maintenance Requirements
§ 63.6640(a), (f) and Table 6	Continuous Compliance
§ 63.6655(d), (e) and Table 6	Recordkeeping Requirements

Protection of Stratospheric Ozone (40 CFR Part 82)

Subpart E The Labeling of Products Using Ozone-Depleting Substances		
§ 82.106		Warning statement requirements
§ 82.108		Placement of warning statement
§ 82.110		Form of label bearing warning statement
§ 82.124		Prohibitions
	(a)	Warning Statement

Subpart F	Recycling and Emissions Reduction
§ 82.154	Prohibitions
§ 82.156	Required practices (except § 82.156(f))
§ 82.158	Standards for recycling and recovery equipment
	<u>Equipment manufactured or imported before November 15, 1993</u>
	(c) Evacuation level at which equipment not used with small appliances considered certified
	(d) Standards at which equipment used with small appliances considered certified
	(e) Equipment must be capable of reducing system pressure to 102mm of mercury vacuum
	<u>Equipment manufactured or imported on or after November 15, 1993</u>
	(c) Certification of equipment used with small appliances
	(d) Certification of equipment used with MVAC-like appliances
	<u>All equipment regardless of date of manufacture or import</u>
	(m) Standards for equipment used to evacuate refrigerant from small appliances before they are disposed of.
§ 82.161	Technician certification
	(a) Requirements for technician certification
	(b) Demonstration of proper use of equipment/revocation of certificate.
§ 82.162	Certification by owners of recovery and recycling equipment
§ 82.166	Reporting and recordkeeping requirements
	(l) Copy of technician certification
	(m) Required records maintained for minimum of three years

Subpart G	Significant New Alternatives Policy Program
§ 82.174	Prohibitions
	(b) Prohibition against use of substitute manufactured, processed or imported in violation of this subpart or any use restriction.
	Prohibition against use of substitute without adhering to use restrictions
	(c) Prohibition against use of substitute after added to list of unacceptable substitutes.
§ 82.176	

Subpart G	Significant New Alternatives Policy Program
(c) Use of end-user's existing supply of a substitute.	

Federally Enforceable Requirements
Maricopa County State Implementation Plan (as of 9/30/99)

Regulation I General Provisions

Rule 3 Air Pollution Prohibited

Regulation II Permits
Rule 220 - Permit Requirements
§§ 301, 302.b, 401, 403, 410
Rule 21 - Permit Condition
§ A
Rule 22 - Permit Denial – Action – Transfer – Posting – Revocation – Compliance
§§ F, G1, H
Rule 23 - Permit Classes
Rule 25 - Emissions Test Methods and Procedures
§§ A, D
Rule 26 - Portable Equipment
Rule 26 - Air Quality Models
Rule 27 - Performance Tests
Rule 28 - Permit Fees

Regulation III Control of Air Contaminants

Rule 30 - Visible Emissions
Rule 31 - Emissions of Particulate Matter
§§ A.1,2,3,4,6,7 - Non-Point Sources of Particulate Matter.

§ H.1.a - Fuel Burning
Rule 310 - Open Fugitive Dust Sources
Rule 314 – Open Outdoor Fires
Rule 32 - Odors and Gaseous Emissions
§§ A, E, F, H 2,3,4
Rule 33 - Storage and Handling of Petroleum Products unless Drybreak Couplings are used
Rule 34 - Organic Solvents – Volatile Organic Compounds
§§ G, K, L
§ C. 1 - Metal cleaning operations
§ 2.a. - Requirements for Cold Organic Solvent Cleaning
§§ E. 1, 2 - Spray Paint and Other Surface Coating Operations
Rule 335 - Architectural Coatings
Rule 340 - Cutback and Emulsified Asphalt
§§ 301 - 303, 501

Rule IV Production of Records: Monitoring, Testing and Sampling Facilities
Rule 40 Recordkeeping and Reporting
Rule 41 Monitoring
§ A
Rule 42 Testing and Sampling
Rule 43 Right of Inspection

Regulation V Unlawful Open Burning
Rule 50 Open Outdoor Fire
Rule 51 Exceptions
Rule 52 Conditions
Rule 72 Emergency Episode Criteria
§§ e, f, g